

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P530524

Luminaire Tested: **GALN-SA5D-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5D-730-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26276 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

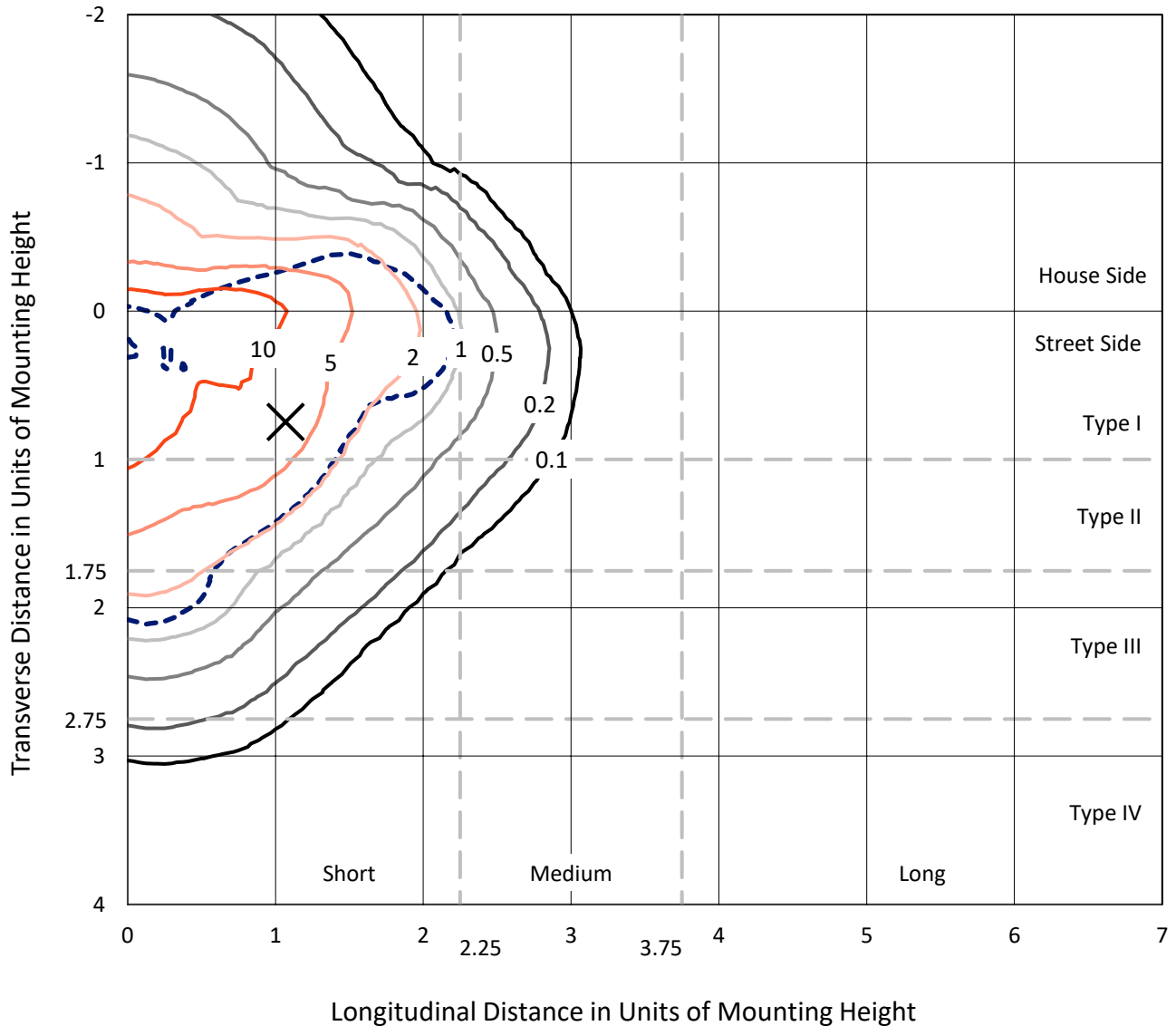
Input Watts (W): 309
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

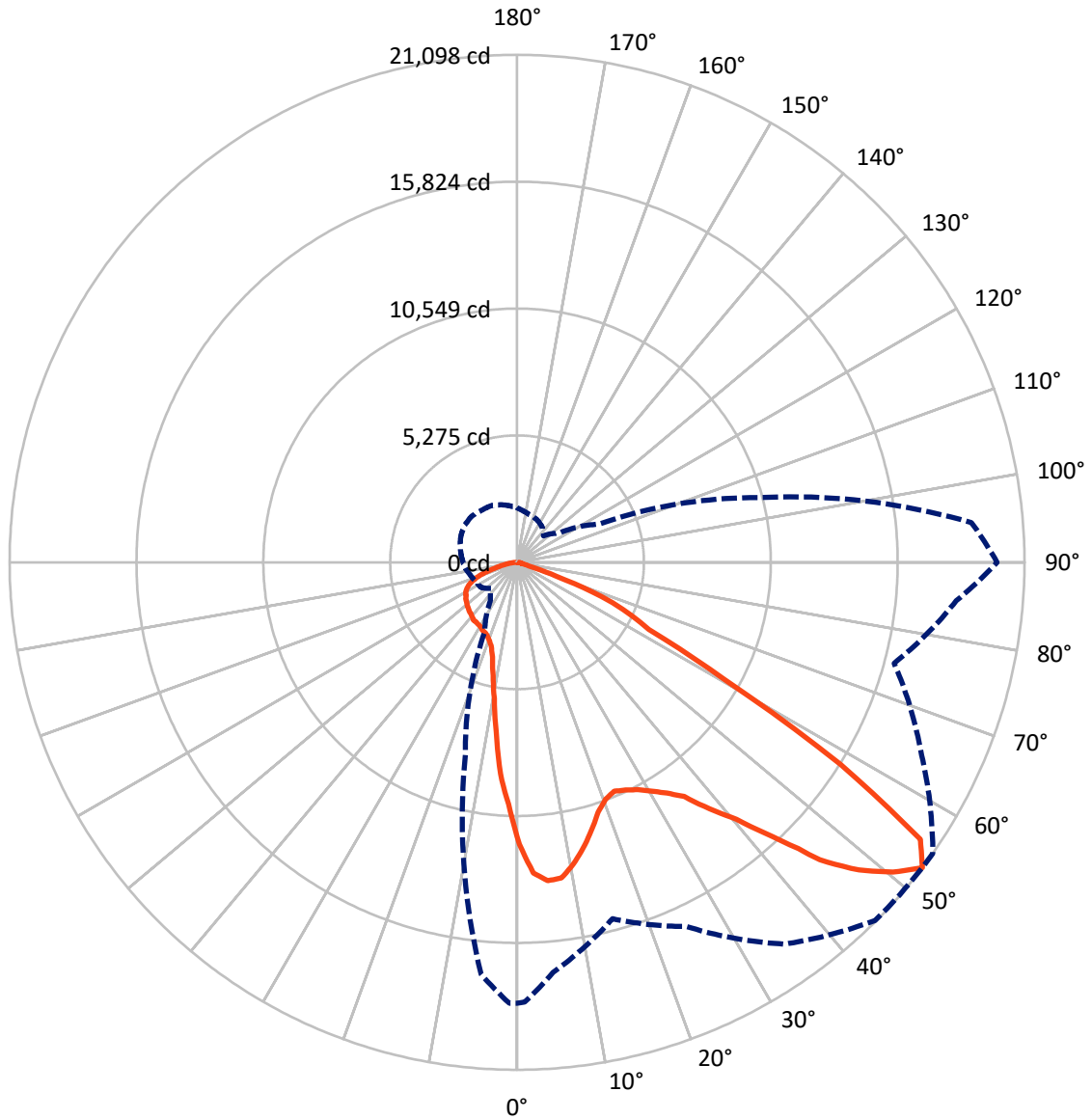
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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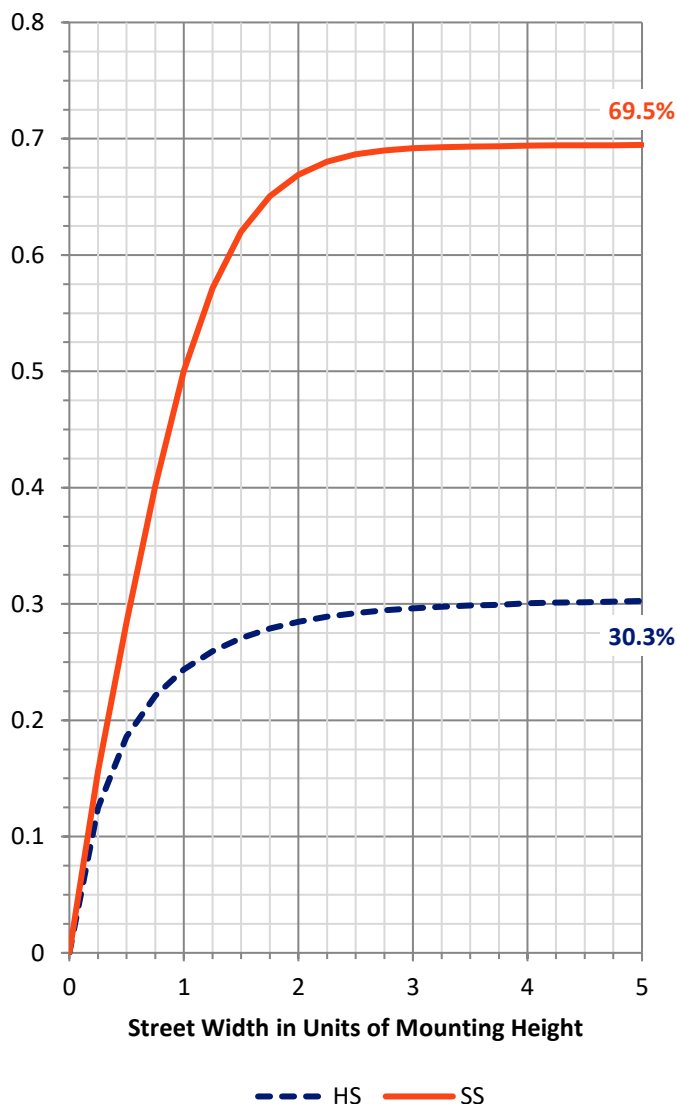
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8015.6	0.0	8015.6
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	18260.4	0.0	18260.4
	% Fixture	69.5	0.0	69.5
Total	Lumens	26276.0	0.0	26276.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	895.5	3.4
10°-20°	1930.8	7.3
20°-30°	2927.7	11.1
30°-40°	4230.0	16.1
40°-50°	5652.4	21.5
50°-60°	6309.4	24.0
60°-70°	3461.0	13.2
70°-80°	748.3	2.8
80°-90°	121.1	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	26276.0	100.0
0°-180°	26276.0	100.0

Coefficient of Utilization

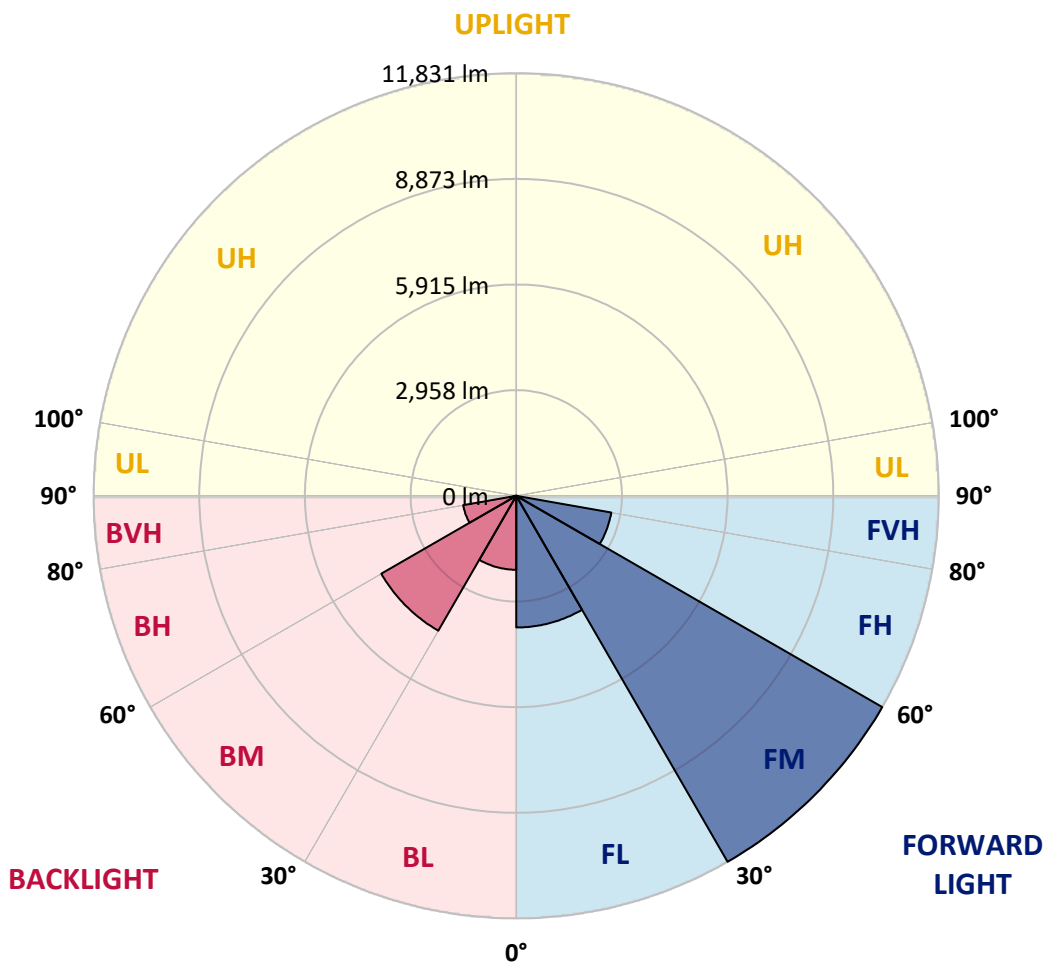


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3684.4	14.0			
FM (30°-60°)	11830.7	45.0			
FH (60°-80°)	2700.5	10.3			G2/5000
FVH (80°-90°)	44.8	0.2			G1/100
BL (0°-30°)	2069.5	7.9	B3/2500		
BM (30°-60°)	4361.1	16.6	B3/5000		
BH (60°-80°)	1508.7	5.7	B3/2500		G3/2500
BVH (80°-90°)	76.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1
2.5°	12300.5	12231.4	12292.8	12584.4	12753.2	12868.3	12941.2	12929.7	12653.4	12384.9	12384.9
5°	11939.8	11851.6	11978.2	12638.1	13301.9	13359.4	13455.3	13298.0	12891.3	12400.2	11786.4
7.5°	10896.2	10961.5	11172.5	12039.6	12902.8	13336.4	13451.5	13252.0	12592.1	11675.1	10773.5
10°	9994.6	10148.1	10635.3	11571.5	12365.7	12929.7	13056.3	12776.2	12254.4	11130.3	10324.6
12.5°	9683.8	9587.9	10128.9	11065.1	11824.7	12127.8	12185.4	12204.6	11851.6	10854.0	9871.8
15°	9645.5	9706.9	10128.9	10838.7	11306.8	11322.1	11418.0	11567.7	11613.7	11042.0	10082.9
17.5°	10198.0	10125.1	10558.6	11122.6	10900.1	10677.5	10700.6	10915.4	11295.3	11203.2	10746.6
20°	11015.2	11180.2	11521.6	11464.1	10865.5	10301.5	10305.4	10508.7	11256.9	11870.8	11671.3
22.5°	12373.4	12534.5	12787.7	12093.3	10865.5	10190.3	10059.8	10336.1	11502.4	12665.0	12714.8
25°	13612.6	13908.0	13977.1	13159.9	11410.4	10293.9	10209.5	10481.9	11748.0	13440.0	13911.9
27.5°	14740.6	14848.0	15151.1	13846.7	11713.5	10362.9	10355.3	10704.4	12058.8	13827.5	14982.3
30°	15630.7	15619.2	15791.9	14280.2	12196.9	10750.4	10378.3	11038.2	12465.4	14468.2	15972.2
32.5°	16236.9	16367.4	16731.9	14882.6	12400.2	11118.8	10827.2	11429.5	12960.4	14771.3	16670.5
35°	17303.5	17529.9	17069.5	15216.4	13044.8	11483.3	11141.8	11962.8	13205.9	15101.3	17526.1
37.5°	18308.7	18136.1	17668.0	15396.7	13463.0	12158.5	11840.1	12994.9	13969.4	15818.7	18093.9
40°	18953.3	18949.5	18116.9	15542.5	13758.4	13190.6	13171.4	14042.3	14905.6	16271.5	18730.8
42.5°	19233.4	19502.0	18301.1	15527.1	14380.0	14441.4	14828.9	15607.7	15569.3	16363.5	18715.4
44°	19617.1	19778.2	18619.5	15561.7	14794.3	15285.4	16198.6	16693.5	16148.7	16313.7	18696.3
45°	19601.7	19613.2	18166.8	15607.7	15147.3	15991.4	16808.6	17645.0	16659.0	16206.2	18949.5
47.5°	19152.8	19022.4	17783.1	15266.2	16248.4	17856.0	18611.8	19118.3	17288.2	15976.0	18634.9
50°	18266.5	18116.9	16850.8	15120.4	16478.6	19014.7	20058.3	20242.4	17859.9	15749.7	18324.1
52.5°	18327.9	18285.7	17115.5	15339.1	16708.8	19379.2	21052.0	21098.0	18508.3	16225.4	18327.9
55°	19425.2	19279.4	17875.2	15611.5	16540.0	18953.3	20418.9	20338.4	18289.6	15937.7	18665.6
57.5°	17775.4	17871.4	16823.9	14533.4	14475.9	15408.2	16052.8	15853.3	15262.4	14383.8	17364.9
60°	14341.6	14614.0	14713.8	12154.7	10923.1	10443.5	10251.7	9898.7	9998.4	11817.0	15254.7
62.5°	12300.5	12285.1	12910.5	11019.0	7155.5	6154.1	6062.0	6142.6	7293.6	11632.9	14940.1
65°	9752.9	10013.8	10205.6	9338.5	5663.0	4569.5	4565.7	5076.0	6311.4	9722.2	12062.6
67.5°	6192.4	6533.9	6771.8	5973.7	3786.8	3253.5	3165.3	3779.2	4373.8	6376.6	7262.9
70°	3491.4	3652.5	3760.0	3445.4	2409.4	1688.1	1588.4	1734.2	2643.5	4128.3	4304.8
72.5°	1346.7	1419.6	1565.4	1576.9	909.3	544.8	441.2	529.5	1112.6	1634.4	1557.7
75°	207.2	222.5	314.6	376.0	260.9	199.5	211.0	218.7	310.8	422.0	353.0
77.5°	99.8	99.8	95.9	111.3	130.4	142.0	153.5	168.8	184.2	203.3	195.7
80°	65.2	65.2	65.2	76.7	95.9	115.1	130.4	138.1	145.8	161.1	153.5
82.5°	42.2	42.2	42.2	57.6	76.7	95.9	103.6	122.8	138.1	161.1	149.6
85°	23.0	23.0	23.0	38.4	57.6	80.6	76.7	61.4	34.5	3.8	7.7
87.5°	7.7	7.7	7.7	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1
2.5°	12062.6	11886.1	11870.8	11510.1	11187.8	11030.5	10903.9	10550.9	10627.7	10424.3	10420.5
5°	11479.4	11118.8	10535.6	10056.0	9576.4	9480.5	9062.3	8697.8	8709.3	8448.4	8494.5
7.5°	10432.0	10182.6	9472.8	8720.8	8083.9	7631.2	7236.0	6998.1	6695.0	6591.5	6537.7
10°	9768.2	9461.3	8663.3	7719.4	7005.8	6764.1	6384.3	6173.3	5862.5	5709.0	5601.6
12.5°	9476.7	9027.8	8030.2	7071.0	6595.3	6345.9	6023.6	5640.0	5271.6	5129.7	4934.0
15°	9507.4	8970.2	7846.1	6810.1	6238.5	5755.1	5467.3	5041.4	4665.4	4416.0	4274.1
17.5°	9971.6	9319.4	7930.5	6610.6	5789.6	5183.4	4619.4	4159.0	3859.7	3671.7	3625.7
20°	11068.9	10182.6	8072.4	6288.4	5340.7	4584.9	3890.4	3410.8	3180.6	3176.8	3180.6
22.5°	11982.0	11103.4	8360.2	6096.5	4891.8	3817.5	3126.9	2973.4	2927.4	3023.3	3034.8
25°	13213.6	12139.3	8855.1	5996.8	4477.4	3253.5	2827.7	2770.1	2766.3	2889.0	2892.9
27.5°	14475.9	13044.8	9150.5	5705.2	4055.4	2961.9	2647.3	2635.8	2697.2	2827.7	2816.1
30°	15335.3	13804.5	9683.8	5356.0	3556.6	2704.9	2574.4	2589.8	2674.2	2773.9	2789.3
32.5°	16336.7	14552.6	9822.0	5164.2	3249.7	2490.0	2397.9	2432.5	2539.9	2697.2	2781.6
35°	17483.9	15082.1	10033.0	4903.3	3134.6	2325.0	2279.0	2317.4	2447.8	2551.4	2643.5
37.5°	18331.8	16018.2	10071.3	4700.0	3008.0	2233.0	2160.1	2286.7	2363.4	2509.2	2555.2
40°	18961.0	16697.3	10171.1	4573.4	2908.2	2114.0	2114.0	2198.4	2302.0	2436.3	2528.4
42.5°	19363.8	17192.3	10244.0	4458.2	2716.4	2079.5	2060.3	2144.7	2282.8	2413.3	2455.5
44°	19609.4	17403.3	10171.1	4350.8	2662.7	2037.3	2037.3	2110.2	2217.6	2371.1	2421.0
45°	19670.8	17668.0	10010.0	4347.0	2597.4	1987.4	1979.7	2117.9	2190.8	2378.8	2409.4
47.5°	19908.7	17994.1	10029.1	4224.2	2440.1	1868.5	2002.8	2064.1	2129.4	2294.3	2397.9
50°	19901.0	18197.5	9986.9	4043.9	2325.0	1734.2	1956.7	2025.8	2091.0	2259.8	2302.0
52.5°	19954.7	18957.2	10374.4	3756.1	2117.9	1561.5	1803.3	1956.7	2037.3	2179.2	2267.5
55°	19927.8	19390.7	10758.1	3541.3	1826.3	1457.9	1672.8	1853.1	1968.2	2117.9	2160.1
57.5°	18201.3	17138.6	9956.2	3138.4	1511.7	1335.2	1488.6	1745.7	1891.5	2045.0	2098.7
60°	14871.1	13209.8	8210.5	2309.7	1243.1	1227.7	1385.0	1711.2	1772.6	1906.8	1998.9
62.5°	13743.1	11586.8	6510.9	1764.9	1062.8	1124.2	1277.6	1546.2	1642.1	1807.1	1891.5
65°	10754.3	7696.4	4032.4	1193.2	936.2	1009.1	1154.8	1354.4	1511.7	1665.1	1764.9
67.5°	6368.9	4205.0	1995.1	836.4	817.2	894.0	1043.6	1193.2	1373.5	1542.4	1592.2
70°	3468.4	2068.0	851.7	636.9	694.4	763.5	909.3	1012.9	1185.5	1316.0	1400.4
72.5°	1112.6	629.2	425.9	471.9	529.5	610.0	698.3	824.9	947.7	1024.4	1093.5
75°	268.6	264.7	303.1	330.0	383.7	445.1	518.0	583.2	679.1	752.0	813.4
77.5°	188.0	203.3	234.0	272.4	291.6	314.6	360.7	410.5	452.7	506.4	544.8
80°	145.8	157.3	180.3	199.5	218.7	237.9	260.9	280.1	306.9	341.5	360.7
82.5°	138.1	145.8	168.8	180.3	172.7	168.8	184.2	191.8	195.7	207.2	218.7
85°	11.5	0.0	7.7	26.9	65.2	95.9	103.6	103.6	99.8	107.4	107.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	15.3	11.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1
2.5°	10374.4	10244.0	10293.9	10355.3	10267.0	10063.7	10117.4	10094.4	10301.5	10286.2	10493.4
5°	8697.8	8494.5	8517.5	8816.7	8720.8	8824.4	8617.2	8590.4	8628.7	8647.9	8682.5
7.5°	6656.7	6629.8	6860.0	7113.2	7232.2	7109.4	6906.1	6860.0	6817.8	6733.4	6925.2
10°	5432.8	5440.4	5425.1	5616.9	5751.2	5724.4	5601.6	5586.2	5505.7	5475.0	5582.4
12.5°	4849.6	4746.0	4696.1	4634.7	4738.3	4807.4	4753.7	4715.3	4719.1	4757.5	4772.9
15°	4285.6	4220.4	4112.9	4043.9	4093.8	4059.2	4040.0	4116.8	4097.6	4089.9	4182.0
17.5°	3652.5	3706.3	3698.6	3621.8	3687.1	3660.2	3656.4	3602.7	3529.8	3476.1	3506.7
20°	3234.3	3334.1	3410.8	3414.7	3449.2	3445.4	3387.8	3222.8	3169.1	3157.6	3165.3
22.5°	3084.7	3138.4	3230.5	3361.0	3361.0	3299.6	3230.5	3038.7	2988.8	2935.1	2912.1
25°	2965.8	3069.4	3188.3	3203.6	3265.0	3207.5	3096.2	3000.3	2896.7	2823.8	2823.8
27.5°	2904.4	3019.5	3107.7	3134.6	3219.0	3173.0	3057.9	2935.1	2812.3	2808.5	2743.2
30°	2877.5	2985.0	3042.5	3107.7	3146.1	3073.2	3038.7	2908.2	2785.4	2754.8	2647.3
32.5°	2797.0	2950.4	3057.9	3042.5	3073.2	3042.5	2992.6	2885.2	2747.1	2678.0	2666.5
35°	2704.9	2858.3	2973.4	3054.0	3073.2	3008.0	2977.3	2831.5	2643.5	2609.0	2490.0
37.5°	2655.0	2747.1	2889.0	3019.5	3046.3	3011.8	2908.2	2758.6	2570.6	2532.2	2428.6
40°	2593.6	2712.5	2823.8	2931.2	3011.8	2927.4	2808.5	2662.7	2578.3	2463.2	2432.5
42.5°	2547.6	2681.9	2773.9	2892.9	2985.0	2873.7	2735.6	2635.8	2516.9	2440.1	2351.9
44°	2532.2	2655.0	2716.4	2862.2	2938.9	2854.5	2739.4	2635.8	2497.7	2428.6	2351.9
45°	2478.5	2647.3	2712.5	2843.0	2908.2	2839.2	2693.4	2589.8	2490.0	2405.6	2325.0
47.5°	2424.8	2539.9	2651.2	2754.8	2800.8	2777.8	2655.0	2528.4	2409.4	2359.6	2282.8
50°	2409.4	2524.6	2628.1	2724.1	2777.8	2731.7	2620.5	2497.7	2359.6	2279.0	2213.8
52.5°	2332.7	2474.7	2589.8	2620.5	2689.5	2662.7	2578.3	2444.0	2313.5	2244.5	2190.8
55°	2221.5	2371.1	2528.4	2566.8	2666.5	2624.3	2497.7	2371.1	2259.8	2156.2	2087.2
57.5°	2179.2	2325.0	2478.5	2528.4	2589.8	2520.7	2490.0	2355.7	2179.2	2125.5	2018.1
60°	2071.8	2256.0	2382.6	2497.7	2501.5	2482.3	2428.6	2275.2	2129.4	2029.6	1952.9
62.5°	1987.4	2160.1	2259.8	2367.2	2432.5	2378.8	2325.0	2183.1	2025.8	1914.5	1826.3
65°	1864.6	2021.9	2106.4	2171.6	2244.5	2236.8	2144.7	2041.1	1876.1	1787.9	1703.5
67.5°	1676.6	1814.8	1929.9	1991.2	2037.3	2025.8	1956.7	1883.8	1715.0	1626.8	1565.4
70°	1450.3	1592.2	1665.1	1699.7	1745.7	1768.7	1715.0	1680.5	1530.8	1415.7	1358.2
72.5°	1166.4	1258.4	1365.9	1396.6	1415.7	1431.1	1431.1	1400.4	1246.9	1200.9	1101.1
75°	859.4	932.3	1012.9	1012.9	1047.4	1051.3	1058.9	1039.7	924.6	863.3	840.2
77.5°	583.2	636.9	702.1	729.0	752.0	748.2	744.3	690.6	629.2	602.4	579.3
80°	379.8	433.5	464.2	498.8	521.8	518.0	525.6	487.3	460.4	414.4	422.0
82.5°	226.4	268.6	299.3	341.5	341.5	353.0	353.0	341.5	314.6	291.6	291.6
85°	107.4	142.0	161.1	188.0	203.3	207.2	184.2	157.3	130.4	118.9	130.4
87.5°	19.2	26.9	38.4	34.5	42.2	38.4	38.4	38.4	38.4	30.7	34.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P530524

CATALOG NUMBER: GALN-SA5D-730-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1	11721.1
2.5°	10416.6	10608.5	10742.8	10965.3	11349.0	11655.9	11970.5	12204.6	12231.4	12300.5
5°	8809.1	8912.7	9254.1	9699.2	10013.8	10531.8	10865.5	11471.7	11698.1	11939.8
7.5°	6879.2	7048.0	7504.6	7803.9	8494.5	9142.9	9814.3	10562.4	10861.7	10896.2
10°	5801.1	6046.6	6357.4	6837.0	7213.0	7934.3	8770.7	9603.3	9937.1	9994.6
12.5°	5095.1	5409.8	5824.1	6169.4	6530.1	7159.3	7961.2	8989.4	9422.9	9683.8
15°	4416.0	4742.2	5198.7	5678.3	5996.8	6748.8	7692.6	8851.3	9415.3	9645.5
17.5°	3717.8	4020.9	4396.9	4914.8	5555.5	6399.6	7650.4	9311.7	9929.4	10198.0
20°	3119.2	3288.1	3725.4	4258.7	5060.6	6042.8	7665.7	9990.8	10896.2	11015.2
22.5°	2885.2	2923.6	3096.2	3587.3	4465.9	5678.3	7938.1	10953.8	11982.0	12373.4
25°	2704.9	2697.2	2743.2	3073.2	4032.4	5536.4	8206.7	11840.1	13186.7	13612.6
27.5°	2605.1	2528.4	2532.2	2843.0	3725.4	5306.2	8552.0	12856.8	14552.6	14740.6
30°	2555.2	2539.9	2493.9	2620.5	3391.6	4960.9	8609.6	13858.2	15358.3	15630.7
32.5°	2524.6	2374.9	2317.4	2363.4	3077.0	4584.9	8824.4	14518.1	16355.9	16236.9
35°	2371.1	2236.8	2198.4	2244.5	2854.5	4373.8	8682.5	15093.6	17104.0	17303.5
37.5°	2313.5	2194.6	2117.9	2079.5	2647.3	4197.4	8609.6	15979.9	17829.2	18308.7
40°	2259.8	2133.2	2041.1	2002.8	2486.2	3963.3	8586.5	16662.8	18665.6	18953.3
42.5°	2198.4	2117.9	2014.3	1945.2	2290.5	3729.3	8321.8	16873.8	18922.6	19233.4
44°	2179.2	2056.5	1949.0	1926.0	2213.8	3610.3	8268.1	17065.7	19145.1	19617.1
45°	2160.1	2045.0	1922.2	1891.5	2186.9	3545.1	8195.2	17111.7	19513.5	19601.7
47.5°	2106.4	2033.5	1914.5	1830.1	2129.4	3403.2	7976.5	16850.8	19137.5	19152.8
50°	2064.1	1979.7	1857.0	1692.0	2052.6	3284.2	8076.3	16754.9	18232.0	18266.5
52.5°	2018.1	1891.5	1822.4	1538.5	1926.0	3184.5	8287.3	17188.4	18335.6	18327.9
55°	1964.4	1826.3	1657.5	1408.1	1715.0	3057.9	8797.6	18044.0	19294.8	19425.2
57.5°	1880.0	1761.0	1519.3	1293.0	1473.3	2816.1	8632.6	16405.7	17752.4	17775.4
60°	1768.7	1657.5	1377.4	1204.7	1208.6	2221.5	7719.4	12783.9	14007.8	14341.6
62.5°	1661.3	1599.9	1258.4	1078.1	1028.2	1768.7	6526.2	10623.8	12024.2	12300.5
65°	1534.7	1385.0	1154.8	982.2	882.4	1239.3	4623.2	7938.1	9380.7	9752.9
67.5°	1373.5	1212.4	1016.7	863.3	755.8	828.7	2386.4	4512.0	5973.7	6192.4
70°	1200.9	1051.3	855.6	729.0	610.0	571.7	1051.3	2152.4	3265.0	3491.4
72.5°	986.0	847.9	682.9	575.5	456.6	395.2	353.0	575.5	1158.7	1346.7
75°	713.6	617.7	514.1	410.5	322.3	253.2	207.2	172.7	191.8	207.2
77.5°	525.6	448.9	379.8	291.6	226.4	180.3	142.0	107.4	103.6	99.8
80°	410.5	364.5	303.1	234.0	176.5	134.3	99.8	72.9	65.2	65.2
82.5°	322.3	299.3	249.4	191.8	145.8	107.4	72.9	49.9	42.2	42.2
85°	122.8	122.8	180.3	157.3	111.3	76.7	49.9	26.9	23.0	23.0
87.5°	30.7	30.7	30.7	30.7	26.9	23.0	23.0	11.5	7.7	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)